

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/002987

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A23L1/305 A23L1/30 A23C9/123 A23C9/127 A23L1/211
A61K38/01

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A23L A23C A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, FSTA, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 05, 14 September 2000 (2000-09-14) & JP 2000 032911 A (NOUCHIKUSANGIYOU SHINKO JIGYODAN; ZENKOKU NOKYO NYUGYO PLANT KYOKAI), 2 February 2000 (2000-02-02) abstract	1-10, 13, 14
X	DATABASE WPI Section Ch, Week 199127 Derwent Publications Ltd., London, GB; Class B04, AN 1991-197912 XP002306644 & JP 03 123469 A (TAIYO FISHERY CO LTD) 27 May 1991 (1991-05-27) abstract	1, 3, 5-9, 14
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

22 November 2004

Date of mailing of the international search report

08/12/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/071854 A (UNILEVER PLC ; LEVER HINDUSTAN LTD (IN); UNILEVER NV (NL)) 19 September 2002 (2002-09-19) claims 1-19	7-10, 12-15
A	----- EP 1 018 341 A (CALPIS CO LTD) 12 July 2000 (2000-07-12) page 3, lines 19-37	3 7-11,14
X	----- VERMEIRSSSEN V ET AL: "THE IMPACT OF FERMENTATION AND IN VITRO DIGESTION ON THE FORMATION OF ANGIOTENSIN-I-CONVERTING ENZYME INHIBITORY ACTIVITY FROM PEA AND WHEY PROTEIN" AMERICAN JOURNAL OF CLINICAL NUTRITION, BETHESDA, MD, US, vol. 86, no. 2, February 2003 (2003-02), pages 429-438, XP008022794 ISSN: 0002-9165	7-10,14
A	pages 435-437; table 1	6
X	----- GOBBETTI M ET AL: "Production of angiotensin-I-converting-enzyme-inhibitory peptides in fermented milks started by Lactobacillus delbrueckii subsp. bulgaricus SS1 and Lactococcus lactis subsp. cremoris FT4." APPLIED AND ENVIRONMENTAL MICROBIOLOGY 66 (9) 3898-3904 2000 DIPARTIMENTO DI SCI. DEGLI ALIMENTI, SEZIONE DI MICROBIOL. AGRO-ALIMENTARE, UNIV. DEGLI STUDI DI PERUGIA, S. CONSTANZO, 06126 PERUGIA, ITALY. TEL./FAX 39 75 32387. E-MAIL GOBBETTI(A)UNIPG, 2000, XP002306642 the whole document	7-10,14
A	----- FUGLSANG A ET AL: "Cardiovascular effects of fermented milk containing angiotensin-converting enzyme inhibitors evaluated in permanently catheterized, spontaneously hypertensive rats" APPLIED AND ENVIRONMENTAL MICROBIOLOGY, WASHINGTON, DC, US, vol. 68, no. 7, 1 July 2002 (2002-07-01), pages 3566-3569, XP002252114 ISSN: 0099-2240 the whole document	3 7-10,14
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Y	<p>TAUZIN J ET AL: "Angiotensin-I-converting enzyme inhibitory peptides from tryptic hydrolysate of bovine alphaS2-casein" FEBS LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 531, no. 2, 6 November 2002 (2002-11-06), pages 369-374, XP004391663 ISSN: 0014-5793 the whole document</p>	1-15
Y	<p>FAN J ET AL: "PREPARATION OF ANGIOTENSIN I-CONVERTING ENZYME INHIBITING PEPTIDES FROM SOYBEAN PROTEIN BY ENZYMATIC HYDROLYSIS" FOOD SCIENCE AND TECHNOLOGY RESEARCH, XX, XX, vol. 9, no. 3, 2003, pages 254-256, XP009029152 the whole document</p>	1-15
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Y	<p>DATABASE WPI Section Ch, Week 199717 Derwent Publications Ltd., London, GB; Class D13, AN 1997-186935 XP002306643 & JP 09 047229 A (OMU NYUGYO KK) 18 February 1997 (1997-02-18) abstract</p>	1-15
Y	<p>EP 0 406 598 A (NESTLE SA) 9 January 1991 (1991-01-09) cited in the application the whole document</p>	1-15
Y	<p>NL 9 301 525 A (SNOW BRAND EUROP RESEARCH LAB) 3 April 1995 (1995-04-03) pages 13-14; figures 1-3</p>	1-15

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A	<p>AKIKO OKAMOTO ET AL: "Angiotensin I converting enzyme inhibitory activities of various fermented foods"</p> <p>BIOSCIENCE BIOTECHNOLOGY BIOCHEMISTRY, JAPAN SOC. FOR BIOSCIENCE, BIOTECHNOLOGY AND AGROCHEM. TOKYO, JP, vol. 59, no. 3, 1995, pages 1147-1149, XP002955071</p> <p>ISSN: 0916-8451</p> <p>the whole document</p>	11

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Information on patent family members

International Application No

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